

Hoffman Forest Reserve Natural Resource Management Plan

Tara Kauffman, Natural Resources Manager
Brad Phillips, Environmental Projects Coordinator
(December 2012-Updated February 2019)

Erie MetroParks mission is to conserve natural resources while connecting the community with nature through education and exploration.

Features and resources

Hoffman Forest Reserve, located in Berlin Township, lies on the north side of Huff Road. This property contains 40 acres with a variety of natural habitats, including mature woods, riparian corridors, successional meadow and tree plantation (*see attachment property map*). It was formerly owned by Dr.Hoffman and his descendants, who leased it to Erie MetroParks in 1995 for 20 years. The lease expired in 2016 and Erie MetroParks acquired the property with grant funds through Clean Ohio. A conservation easement has been placed on the land and is held by the Western Reserve Land Conservancy. Hoffman contains several trails of moderate length and has a small gravel parking lot for visitors.

A mixed hardwood and white pine plantation, which nearly fills the successional meadow at present, has altered the habitat significantly since the beginning of the lease period. The pines have achieved full canopy closure in many areas. The north portion of the meadow tends toward wetland, which has restricted the planted tree growth and survival and allowed a shrub/scrub habitat to develop. An extensive plant survey conducted in 2016 has documented the disappearance of many wetland species from the property as woody species shade out the meadow habitat. On the positive side, continued maturation of the existing woodland habitat in the last 20 years fostered establishment of numerous native species not previously documented for this property. The wetness also makes trail use difficult in the spring season.

The west branch of Old Woman Creek passes thru the property from south to north and is joined here by a small tributary stream. The stream bed is gravelly, with pools and riffles, and is good aquatic habitat. Shale bedrock is exposed in the stream cut. The side stream is bridged in two places for the trail system. The stream valley is home to a population of Pawpaw (*Asimina triloba*), which is not common in the area. A mature upland oak forest patch is found in the northeast part of the parcel. It is part of a larger woods continuing to the north.

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Overall plant diversity is good for such a small parcel, with 280 species found in 2016 alone. Previous finds increase the total park list to 358 species. (*see attachment plant list thru 2016*). Bird diversity is moderately good, with 111 species found to date (*see attachment birds thru 2016*). Eighteen species of vertebrates have been found incidentally, with no intentional surveys done (*see attachment vertebrates thru 2011*).

Management/Invasive Species

Preservation of the diverse habitats is the main goal on the natural resource side. Improving public access is an important goal as well. Trail improvement projects were completed in 2016 to address the access goal. Drainage was improved in several areas of the trail, and stone was laid down to raise and firm up walking surfaces. The bridge over the tributary stream was rebuilt as an Eagle Scout project. Two sets of steps were installed to overcome steep and slippery slope hazards on the bottomland trail. This last project was supported by the Friends of Erie MetroParks. They also completed a project to clear out an activity area on the site of the old house foundation north of the main parking lot.

A project to protect habitat diversity by restoring open wet meadow habitats was initiated at the end of 2016. The specific strategy is to reduce woody shading by cutting existing trees within the areas known to be open in the past and treating their stumps to prevent re-growth. Brush piles created from the cut stems will serve as wildlife cover. Additionally, larger trees, such as white pines along the edges are girdled with a chainsaw to deaden them. Round one of this project covered ~.35 acres.

Another aspect of habitat diversity protection is the management of invasive species. Plant species which are of concern at Hoffman include Lesser Celandine (*Ranunculus ficaria*), Autumn Olive (*Eleaegnus umbellata*), Multiflora Rose (*Rosa multiflora*), and Common Privet (*Ligustrum vulgare*). Lesser celandine was probably introduced by mowing equipment coming from other park areas, as it has chiefly been found along pathways. Chemical control is ongoing every spring, and thus far is not a major concern. Autumn Olive may have been planted by the previous owner for wildlife value. Cutting and treating with a glyphosate product in the past two years has reduced its influence.

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Multiflora rose is not a major issue at present, though it is widely scattered. Common privet dominates one area north of the parking lot but has not yet been addressed.

**Hoffman Forest
MetroPark**





PLANT List, Hoffman Forest MetroPark thru 2016

Cod	SciName	Common Name	HFR	HFR 2016	Origin	Invasive
L V						
	<i>Phegopteris hexagonoptera</i> (Michx.) Fee [Thelypteris h..]	Fern, Broad Beech	X			N
	<i>Cystopteris fragilis</i> (L.) Bernh.	Fern, Fragile	X	X		N
	<i>Matteuccia struthiopteris</i> (L.) Todaro	Fern, Ostrich		X		N
	<i>Onoclea sensibilis</i> L.	Fern, Sensitive		X		N
	<i>Dryopteris carthusiana</i> (Villars) Fuchs	Fern, Spinulose Wood		X		N
	<i>Equisetum arvense</i> L.	Horsetail, Field	X	X		N
		6		3		5
P						
	<i>Agalinis tenuifolia</i> (M.Vahl) Raf.	Agalinis, Slender (Gerardia)	X			N
	<i>Agrimonia gryposepala</i> Wallr.	Agrimony, Common	X	X		N
	<i>Agrimonia parviflora</i> Aiton	Agrimony, Small-flowered	X	X		N
	<i>Medicago sativa</i> L.	Alfalfa	X			A
	<i>Anemone virginiana</i> L.	Anemone, Tall (Thimbleweed)	X	X		N
	<i>Anemone quinquefolia</i> L.	Anemone, Wood	X	X		N
	<i>Symphyotrichum urophyllum</i> (Lindl.) G.L. Nesom [Aster saggitifolius Wedem ex Willd.]	Aster, Arrow-leaved	X?	X?		N
	<i>Symphyotrichum pilosum</i> (Willd.) G.L. Nesom [Aster p..us Willd.]	Aster, Awl	X?	X?		N
	<i>Symphyotrichum cordifolium</i> (L.) G.L. Nesom [Aster c..us L.]	Aster, Blue Wood		X		N
	<i>Symphyotrichum lateriflorum</i> (L.) [Aster l..us (L.) Britt.]	Aster, Calico	X	X?		N
	<i>Symphyotrichum prenanthoides</i> (Muhl. ex Willd.) G.L. Nesom [A. p..]	Aster, Crooked-stemmed	X?			N
	<i>Symphyotrichum lanceolatum</i> (L.) [Aster l..us Willd.[A.simplex]	Aster, Eastern Lined	X			N
	<i>Symphyotrichum novae-angliae</i> (L.) G.L. Nesom [Aster n.. L.]	Aster, New England	X	X		N
	<i>Geum virginianum</i> L. or <i>laciniatum</i> Murray	Avens, Rough	X	X		N
	<i>Geum vernum</i> (Raf.) T & G.	Avens, Spring	U W	X		N
	<i>Geum canadense</i> Jacq.	Avens, White	X	X		N
	<i>Actaea pachypoda</i> Ell.	Baneberry, White	X	X		N

Cod	SciName	Common Name	HFR	HFR 2016	Origin	Invasive
	<i>Galium aparine</i> L.	Bedstraw, Cleavers	X	X	N	
	<i>Galium concinnum</i> T. & G.	Bedstraw, Shining		X	N	
	<i>Galium triflorum</i> Michx.	Bedstraw, Sweet-scented	X	X	N	
	<i>Bidens frondosa</i> L.	Beggar-ticks, Devils	X	X	N	
	<i>Monarda fistulosa</i> L.	Bergamot, Wild	X		N	
	<i>Calystegia sepium</i> (L) R.Br.	Bindweed, Hedge	X	X	N	
	<i>Rudbeckia hirta</i> L.	Black-eyed Susan	X		N	
	<i>Sanguinaria canadensis</i> L.	Bloodroot	X	X	N	
	<i>Mertensia virginica</i> (L.) Pers.	Bluebells	pl?	X	N	
	<i>Sisyrinchium angustifolium</i> Mill.	Blue-eyed-Grass, Common	X?	X	N	
	<i>Eupatorium perfoliatum</i> L.	Boneset, Common	X	X	N	
	<i>Polygonum scandens</i> L.	Buckwheat, Climbing False	X		N	
	<i>Ajuga reptans</i> L.	Bugle-weed, Carpet	X	X	A	
	<i>Bolboschoenus fluviatilis</i> (Torr.) J. Sojak [<i>Scirpus</i> f..]	Bulrush, River		X	N	
	<i>Arctium minus</i> Bernh.	Burdock, Common	X	X	A	
	<i>Ranunculus abortivus</i> L.	Buttercup, Kidney-leaved	X	X	N	
	<i>Ranunculus hispidus</i> Michx var <i>nitidus</i>	Buttercup, Swamp	X	X	N	
	<i>Smilax herbacea</i> L.	Carrion-flower			N	
	<i>Daucus carota</i> L.	Carrot, Wild (Queen Anne's Lace)	X	X	A	
	<i>Typha x glauca</i> Godr.	Cattail, hybrid	X?		A	X
	<i>Chelidonium majus</i> L.	Celandine	X	R-1	A	
	<i>Ranunculus ficaria</i> L.	Celandine, Lesser	U L	U L	A	X
	<i>Stellaria media</i> (L.) Vill.	Chickweed, Common		X	A	
	<i>Cichorium intybus</i> L.	Chicory	X	X	A	
	<i>Osmorhiza longistylis</i> (Torr) DC	Cicely, Smooth Sweet		X	N	
	<i>Potentilla simplex</i> Michx.	Cinquefoil, Common	X	X	N	
	<i>Potentilla norvegica</i> L.	Cinquefoil, Rough	X	X	N	
	<i>Potentilla recta</i> L.	Cinquefoil, Rough-fruited	X		A	
	<i>Pilea pumila</i> (L) A.Gray	Clearweed, Common	X	X	N	
	<i>Trifolium hybridum</i> L.	Clover, Alsike	X	X	A	
	<i>Trifolium dubium</i> Sibth.	Clover, Little Hop-	X	X	A	
	<i>Trifolium pratense</i> L.	Clover, Red	X	X	A	
	<i>Trifolium repens</i> L.	Clover, White	X	X	A	
	<i>Xanthium strumarium</i> L.	Cocklebur	X	R-1	N	

Cod	SciName	Common Name	HFR	HFR 2016	Origin	Invasive
	<i>Caulophyllum thalictroides</i> var. <i>giganteum</i> Farw.	Cohosh, Giant Blue		X	N	
	<i>Rudbeckia laciniata</i> L.	Coneflower, Cut-leaved	X	X	N	
	<i>Geranium carolinianum</i> L.	Crane's-bill, Carolina	X	X	N	
	<i>Barbarea vulgaris</i> R.Br.	Cress, Common Winter	X	X	A	
	<i>Lepidium campestre</i> (L.) R.Br.	Cress, Cow (Field Peppergrass)	X		N	
	<i>Cardamine hirsuta</i> L.	Cress, Hoary Bitter	X?	X	A	
	<i>Arabidopsis thaliana</i> (L.) Heynh.	Cress, Mouse-ear	X	X	A	
	<i>Cardamine pensylvanica</i> Muhl.	Cress, Pennsylvania Bitter	X	X	N	
	<i>Cardamine douglassii</i> Britton	Cress, Purple Bitter	X		N	
	<i>Ranunculus recurvatus</i> Poir.	Crowfoot, Hooked	X	X	N	
	<i>Coronilla varia</i> L.	Crown-vetch	X	X	A	
	<i>Sicyos angulatus</i> L.	Cucumber, Bur		X	N	
	<i>Echinocystis lobata</i> (Michx.) T.& G.	Cucumber, Wild		X	N	
	<i>Silphium perfoliatum</i> L.	Cup-plant	X		N	
	<i>Narcissus pseudonarcissus</i> L.	Daffodil	U L	X	A	
	<i>Hesperis matronalis</i> L.	Dame's Rocket	X	X	A	
	<i>Taraxacum officinale</i> Weber	Dandelion, Common	X	X	A	
	<i>Commelina communis</i> L.	Dayflower, Common	X	X	A	
	<i>Hemerocallis fulva</i> L.	Day-lily, Orange	X	X	N	
	<i>Lamium purpureum</i> L.	Dead-nettle, Purple	X	X	A	
	<i>Rumex crispus</i> L.	Dock, Curled	X	X	A	
	<i>Cuscuta gronovii</i> Willd.	Dodder, Common		X?	N	
	<i>Apocynum cannabinum</i> L.	Dogbane, Indian-Hemp	X	X	N	
	<i>Arisaema dracontium</i> (L.) Schott.	Dragon, Green	X	X	N	
	<i>Dicentra cucullaria</i> (L.) Bernh.	Dutchman's-Breeches	C M	X	N	
	<i>Oenothera biennis</i> L.	Evening-primrose, Common	X		N	
	<i>Floerkea proserpinacoides</i> Willd.	False Mermaid	X	X	N	
	<i>Erythronium albidum</i> Nutt.	Fawn-lily, White	X	X	N	
	<i>Erythronium americanum</i> Ker.	Fawn-lily, Yellow	A M	X	N	
	<i>Scrophularia marilandica</i> L.	Figwort, Maryland	X	X	N	
	<i>Erigeron</i> sp.	Fleabane, a Daisy	X	X	N	
	<i>Erigeron philadelphicus</i> L.	Fleabane, Philadelphia	X	X	N	
	<i>Hibiscus trionum</i> L.	Flower-of-an-hour		X	A	
	<i>Myosotis scorpioides</i> L.	Forget-me-not, True		X	A	

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	<i>Allium vineale</i> L.	Garlic, Field	X	X	A	
	<i>Allium canadense</i> L.	Garlic, Wild	X?	X	N	
	<i>Geranium maculatum</i> L.	Geranium, Wild	X	X	N	
	<i>Asarum canadense</i> L.	Ginger, Wild		X	N	
	<i>Panax trifolius</i> L.	Ginseng, Dwarf	X	R-1	N	
	<i>Tragopogon pratensis</i> L.	Goats-beard, Yellow	X		A	
	<i>Solidago caesia</i> L.	Goldenrod, Blue-stemmed	X	X	N	
	<i>Solidago canadensis</i> L.	Goldenrod, Canada (+Tall)	X	X	N	
	<i>Euthamia graminifolia</i> (L.) Nutt.	Goldenrod, Flat-topped	X	X	N	
	<i>Solidago gigantea</i> Aiton	Goldenrod, Smooth		X	N	
	<i>Hydrastis canadensis</i> L.	Goldenseal		X	N	
	<i>Muscari botryoides</i> (L.) Mill.	Grape-hyacinth		PL R-1	A	
	<i>Echinochloa crus-galli</i> (L) Beauv.	Grass, Barnyard	X	X	N	
	<i>Diarrhena americana</i> P.Beauv.	Grass, Beak		X	N	
	<i>Elymus hystrix</i> L. [<i>Hystrix patula</i>]	Grass, Bottlebrush	X	X	N	
	<i>Bromus</i> sp	Grass, Brome, non downy type	X	X	u	
	<i>Andropogon virginicus</i> L.	Grass, Common Broom-sedge	X		N	
	<i>Cinna arundinacea</i> L.	Grass, Common Wood-Reed		X	N	
	<i>Panicum clandestinum</i> L.	Grass, Deer's-tongue	X	X?	N	
	<i>Elymus villosus</i> Muhl.	Grass, Downy Wild Rye	X?	X?	N	
	<i>Poa sylvestris</i> A.Gray	Grass, Forest Blue	X	X	N	
	<i>Glyceria striata</i> (Lam.)A.Hitch.	Grass, Fowl Manna	X		N	
	<i>Setaria faberi</i> Herrm.	Grass, Giant Foxtail	X		A	
	<i>Muhlenbergia glomerata</i> (Willd) Trin	Grass, Marsh Wild Timothy		X	N	
	<i>Lolium pratense</i> (Huds.) Darbyshire [<i>Festuca pr..sis</i>]	Grass, Meadow Fescue?		X	A	
	<i>Muhlenbergia schreberi</i> Gmel.	Grass, Nimblewill		X	N	
	<i>Panicum lanuginosum</i> Ell. [P. <i>acuminatum</i> Sw.]	Grass, Old Field Panic		X	N	
	<i>Dactylis glomerata</i> L.	Grass, Orchard	X	X	A	
	<i>Lolium perenne</i> L.	Grass, Perennial Ryegrass	X		A	
	<i>Agrostis gigantea</i> Roth. [A.alba]	Grass, Redtop	X		N	
	<i>Phalaris arundinacea</i> L.	Grass, Reed Canary	X	X	A	X
	<i>Leersia oryzoides</i> (L) Swartz	Grass, Rice Cut	X		N	
	<i>Digitaria ischaemum</i> (Schreb.) Muhl.	Grass, Smooth Crab	X		A	
	<i>Phleum pratense</i> L.	Grass, Timothy	X	X	A	

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	<i>Elymus virginicus</i> L.	Grass, Virginia Wild Rye	X	X	N	
	<i>Leersia virginica</i> Willd.	Grass, White	X	X	N	
	<i>Panicum capillare</i> L.	Grass, Witch-	X		N	
	<i>Setaria pumila</i> (Poir) Roem. & Schult. [<i>S. glauca</i> (L.) Beauv.]	Grass, Yellow Foxtail	X?		A	
	<i>Glechoma hederacea</i> L.	Ground Ivy	X	X	A	
	<i>Gratiola neglecta</i> Torr.	Hedge-Hyssop, Clammy	X	R-2	N	
	<i>Lamium amplexicaule</i> L.	Henbit	X		A	
	<i>Hepatica acutiloba</i> DC.	Hepatica, Sharp-lobed	X		N	
	<i>Amphicarpa bracteata</i> (L.) Fern.	Hog-peanut		X	N	
	<i>Conzya canadensis</i> (L.) Cronq.	Horseweed, Common	X	X	Z	
	<i>Camassia scilloides</i> (Raf.) Cory.	Hyacinth, Wild		R-L	N	
	<i>Duchesnea indica</i> (Andrews) Focke	Indian-Strawberry		X	A	
	<i>Vernonia gigantea</i> (Walt)Trel ex Branner & Coville	Ironweed, Tall	X	X	N	
	<i>Arisaema triphyllum</i> (L.) Schott	Jack-in-the-pulpit	X	X	N	
	<i>Helianthus tuberosus</i> L.	Jerusalem-artichoke		X?	N	
	<i>Impatiens capensis</i> Meerb.	Jewelweed, Orange (Touch-me-not)	X	X	N	
	<i>Eutrochium fistulosum</i> (Barratt) E.E. Lamont [<i>Eupatorium</i> f. Barratt]	Joe-pye-weed, Hollow-stemmed	X	X	N	
	<i>Hieracium caespitosum</i> Dumort	King Devil, Yellow	X?		A	
	<i>Centuarea stoebe</i> L. [<i>C. maculosa</i>]	Knapweed, Spotted	X?		A	X
	<i>Polygonum virginianum</i> L.	Knotweed, Virginia	X	X	N	
	<i>Chenopodium album</i> L.	Lambsquarters	X		A	
	<i>Allium tricoccum</i> Ait.	Leek, Wild	X	X	N	
	<i>Lactuca biennis</i> (Moench) Fern.	Lettuce, Tall Blue	X		N	
	<i>Lactuca canadensis</i> L.	Lettuce, Wild	X	X	N	
	<i>Lobelia siphilitica</i> L.	Lobelia, Great Blue	X		N	
	<i>Lobelia inflata</i> L.	Lobelia, Indian-Tobacco	X		N	
	<i>Lysimachia ciliata</i> L.	Loosestrife, Fringed	X	X	N	
	<i>Malva neglecta</i> Wallr.	Mallow, Common (Cheeses)	X		A	
	<i>Podophyllum peltatum</i> L.	Mayapple	X	X	N	
	<i>Medicago lupulina</i> L.	Medick, Black		X	A	
	<i>Acalypha virginica</i> L.var <i>rhomboidea</i> Cooperr.	Mercury, Three-seeded	X		N	
	<i>Asclepias incarnata</i> L.	Milkweed, Swamp	X	X	N	

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	<i>Lysimachia nummularia</i> L.	Moneywort	X	X	A	
	<i>Mimulus ringens</i> L.	Monkey-flower, Common	X		N	
	<i>Ipomoea purpurea</i> (L.) Roth	Morning-glory, Common	X		A	
	<i>Leonurus cardiaca</i> L.	Motherwort, Common	X		A	
	<i>Verbascum thapsus</i> L.	Mullein, Common	X	X	A	
	<i>Alliaria petiolata</i> (M.Bieb) Cavara & Grande	Mustard, Garlic	X	X	A	X
	<i>Boehmeria cylindrica</i> (L.) Sw.	Nettle, False		X	N	
	<i>Urtica dioica</i> L.	Nettle, Stinging	X	X	N	
	<i>Solanum dulcamara</i> L.	Nightshade, Bittersweet		X	A	
	<i>Solanum nigrum</i> L. [<i>S. ptychanthum</i>]	Nightshade, Black	X	X	N	
	<i>Circaea lutetiana</i> L.	Nightshade, Common Enchanter's	X	X	N	
	<i>Cyperus</i> sp.	Nut-sedge, a common one	X		N	
	<i>Lathyrus latifolius</i> L.	Pea, Everlasting	X		A	
	<i>Phlox divaricata</i> L.	Phlox, Blue	X	X	N	
	<i>Erechtites hieracifolius</i> (L.) Raf. ex DC.	Pilewort	X	X	N	
	<i>Dianthus armeria</i> L.	Pink, Deptford		X	A	
	<i>Plantago major</i> L.	Plantain, Common		X	A	
	<i>Plantago lanceolata</i> L.	Plantain, English		X	A	
	<i>Plantago rugelii</i> Decne.	Plantain, Rugel's(Pale)	X	X	N	
	<i>Phytolacca americana</i> L.	Pokeweed	X	R-1	N	
	<i>Portulaca oleracea</i> L.	Purslane, Common	X		A	
	<i>Ambrosia artemisiifolia</i> L.	Ragweed, common	X	X	N	
	<i>Ambrosia trifida</i> L.	Ragweed, Giant	X	X	N	
	<i>Packera aurea</i> (L.) [<i>Senecio aureus</i> L.]	Ragwort, Golden	X	X	N	
	<i>Packera obovata</i> (Muhl. ex Willd.) W.A. Weber [<i>Senecio o..us</i> Muhl. ex Willd.	Ragwort, Round-leaved	X		N	
	<i>Prenanthes crepidinea</i> Michx.	Rattlesnake-root, Nodding	X	X?	N	
	<i>Thalictrum dioicum</i> L.	Rue, Early Meadow	X	X	N	
	<i>Juncus marginatus</i> Rostk. [<i>biflorus</i>].	Rush, Grass-leaved	X		N	
	<i>Juncus tenuis</i> Willd.	Rush, Path	X	X	N	
	<i>Juncus brachycarpus</i> Engelm.	Rush, Short-fruited	X?		N	
	<i>Juncus effusus</i> L.	Rush, Soft	X	X	N	
	<i>Arenaria serpyllifolia</i> L.	Sandwort, Thyme-leaved		X	A	
	<i>Carex intumescens</i> Rudge	Sedge, Bladder	X	X	N	

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	Carex blanda Dewey	Sedge, Common Wood		X	N	
	Carex cristatella Britton	Sedge, Crested		X?	N	
	Carex davisii Schwein & Torr.	Sedge, Davis'	X	X	N	
	Carex vulpinoidea Michx.	Sedge, Foxtail	X	X?	N	
	Carex frankii Kunth.	Sedge, Frank's	X		N	
	Carex crinita Lam.	Sedge, Fringed		X	N	
	Carex gracillima Schwein.	Sedge, Graceful	X		N	
	Carex amphibola Steud.	Sedge, Gray Wood		X	N	
	Carex hirtifolia Mackenz.	Sedge, Hairy-leaved	X	X	N	
	Carex jamesii Schwein.	Sedge, James'		X	N	
	Carex normalis Mackenzie	Sedge, Larger Straw	X		N	
	Carex granularis Muhl.ex Willd.	Sedge, Meadow	X	X?	N	
	Carex pennsylvanica Lam.	Sedge, Pennsylvania	X		N	
	Carex scoparia Schkuhr.ex Willd.	Sedge, Pointed Broom		X?	N	
	Carex shortiana Dewey	Sedge, Short's	X	X	N	
	Carex conjuncta Boott.	Sedge, Soft Fox		X	N	
	Carex squarrosa L.	Sedge, Squarrose		X	N	
	Carex rosea Schkuhr ex Willd.	Sedge, Stellate		X	N	
	Carex laxiflora Lam.	Sedge, Two-edged	X		N	
	Carex albursina Sheldon	Sedge, Wing-stemmed Wood	X	X	N	
	Ludwigia alternifolia L.	Seedbox	X		N	
	Prunella vulgaris L.	Self-heal(Heal-all)	X	X	A	
	Symplocarpus foetidus (L) Salisb. ex Barton	Skunk-cabbage	X	R-5	N	
	Polygonum persicaria L.	Smartweed, Ladies'-thumb	X	X	A	
	Polygonum cespitosum Blume	Smartweed, Long-bristled	X	X	A	
	Polygonum lapathifolium L.	Smartweed, Nodding	X		N	
	Sanicula sp.	Snakeroot, a Black	X	X	N	
	Ageratina altissima (L.) R.M.King & H.Rob. [Eupatorium rugosum Houtt.]	Snakeroot, White	X		N	
	Smilacina racemosa (L.) Desf.	Solomon's-plume,	X	X	N	
	Polygonatum pubescens (Willd.) Pursh	Solomon's-seal, Hairy	X	X	N	
	Rumex acetosella L.	Sorrel, Sheep	X		A	
	Sonchus asper (L.) Hill	Sow-thistle, Spiny-leaved	X	X	A	
	Mentha spicata L.	Spearmint	X		A	

Cod	SciName	Common Name	HFR	HFR 2016	Origin	Invasive
	<i>Veronica arvensis</i> L.	Speedwell, Corn		X	A	
	<i>Veronica peregrina</i> L.	Speedwell, Purslane	X	X	N	
	<i>Veronica serpyllifolia</i> L.	Speedwell, Thyme-leaved	X	X	A	
	<i>Eleocharis obtusa</i> (Willd.) Schultes	Spike-rush, Blunt	X	X	N	
	<i>Claytonia virginica</i> L.	Spring-beauty	X	X	N	
	<i>Dicentra canadensis</i> (Goldie) Walp.	Squirrel-corn	X	X	N	
	<i>Hypericum perforatum</i> L.	St.-John's-wort, Common	X		A	
	<i>Hypericum punctatum</i> Lam.	St.-John's-wort, Spotted	X	X	N	
	<i>Ornithogalum umbellatum</i> L.	Star-of-Bethlehem	X	X	A	
	<i>Fragaria virginiana</i> Duchesne	Strawberry, Virginia	X	X	N	
	<i>Helianthus strumosus</i> L.	Sunflower, Pale-leaf		X	N	
	<i>Helianthus divaricatus</i> L.	Sunflower, Woodland	X?		N	
	<i>Melilotus albus</i> Medik.	Sweet-Clover, White	X		A	
	<i>Melilotus officinalis</i> (L)Lam.	Sweet-Clover, Yellow	X	X?	A	
	<i>Dipsacus fullonum</i> L.	Teasel, Common	X	X	A	X
	<i>Cirsium vulgare</i> (Savi) Tenore	Thistle, Bull	X?	X	A	
	<i>Cirsium arvense</i> (L) Scop.	Thistle, Canada	X		A	X
	<i>Bidens cernua</i> L.	Tickseed-Sunflower, Nodding	X?		N	
	<i>Desmodium canadense</i> (L.) DC	Tick-trefoil, Canada	X		N	
	<i>Desmodium paniculatum</i> (L) DC	Tick-trefoil, Panicked	X	X	N	
	<i>Triosteum perfoliatum</i> L.	Tinker's-weed	X	X	N	
	<i>Cardamine concatenata</i> (Michx.) Sw.[<i>Dentaria laciniata</i>]	Toothwort, Cut-leaved	X	X	N	
	<i>Trillium grandiflorum</i> (Michx) Salisb.	Trillium, Large-flowered	X	X	N	
	<i>Abutilon theophrasti</i> Medik.	Velvet-leaf	X		A	
	<i>Verbena hastata</i> L.	Vervain, Blue	X	X	N	
	<i>Verbena urticifolia</i> L.	Vervain, White	X	X	N	
	<i>Viola sororia</i> Willd.	Violet, Common Blue	X	X	N	
	<i>Viola striata</i> Ait.	Violet, Common White (Cream)	X	X	N	
	<i>Viola pubescens</i> Ait.	Violet, Common Yellow	X	X	N	
	<i>Viola cucullata</i> Ait.	Violet, Marsh Blue	X		N	
	<i>Clematis virginiana</i> L.	Virgin's-bower	X	X	N	
	<i>Lycopus americanus</i> Muhl.	Water-horehound, Cut-leaved	X		N	
	<i>Hydrophyllum virginianum</i> L.	Waterleaf, Virginia	X	X	N	
	<i>Polygonum hydropiper</i> L.	Water-pepper	X	X	N	

Cod	SciName	Common Name	HFR	HFR 2016	Origin	Invasive
	<i>Polygonum hydropiperoides</i> Michx.	Waterpepper, Mild	X?	X	N	
	<i>Alisma subcordatum</i> Raf.	Water-plantain, Southern	X		N	
	<i>Erophila verna</i> (L.) Besser [Draba ...]	Whitlow-grass, Vernal	X	X	A	
	<i>Epilobium hirsutum</i> L.	Willow-herb, Hairy	X?		A	X
	<i>Epilobium coloratum</i> Biehler	Willow-herb, Purple-leaved	X?	X	N	
	<i>Verbesina alternifolia</i> (L)Britt.	Wingstem	X	X	N	
	<i>Laportea canadensis</i> (L.) Wedd.	Wood-nettle	X	X	N	
	<i>Oxalis stricta</i> L.	Wood-sorrel, Common yellow	X?	X?	N	
	<i>Oxalis violacea</i> L.	Wood-sorrel, Violet	X		N	
	<i>Scirpus cyperinus</i> (L.) Kunth	Wool-grass	X	X	N	
	<i>Dioscorea villosa</i> L.	Yam, Wild		X	N	
	<i>Packera glabellus</i> (Poir.) C. Jeffrey [<i>Senecio</i> g.. Poir.]	Yellowtop		X	N	
	<i>Yucca filamentosa</i> L.	Yucca	pl	pl R-1	A	
		264	218	199		
T	<i>Fraxinus pennsylvanica</i> Marshall	Ash, Red and Green		X	N	
	<i>Fraxinus americana</i> L.	Ash, White	X	X	N	
	<i>Elaeagnus umbellata</i> Thunb.	Autumn-olive	X	X	A	X
	<i>Berberis thunbergii</i> DC	Barberry, Japanese		X	A	
	<i>Tilia americana</i> L.	Basswood	X	X	N	
	<i>Celastrus scandens</i> L.	Bittersweet, American	X	X	N	
	<i>Staphylea trifolia</i> L.	Bladdernut		X	N	
	<i>Rubus occidentalis</i> L.	Bramble, Black Raspberry	X	X	N	
	<i>Rubus allegheniensis</i> Porter.	Bramble, Common Blackberry	X	X	N	
	<i>Aesculus glabra</i> Willd.	Buckeye, Ohio	X	X	N	
	<i>Juglans cinerea</i> L.	Butternut	R	X?	N	
	<i>Catalpa speciosa</i> (Warder) Engelm.	Catalpa, Northern	X	X	Z	
	<i>Prunus avium</i> L.	Cherry, Sweet	X	X	A	
	<i>Prunus serotina</i> Ehrh.	Cherry, Wild Black	X	X	N	
	<i>Populus deltoides</i> Marsh	Cottonwood	X	X	N	
	<i>Pyrus</i> sp. [<i>Malus</i>]	Crabapple, Ornamental	X	X	A	
	<i>Parthenocissus vitacea</i> (Knerr.) A.Hitch.[P.inserta]	Creeper, Thicket		X	N	
	<i>Parthenocissus quinquefolia</i> (L) Planch.	Creeper, Virginia	X	X	N	

Cod	SciName	Common Name	HFR	HFR 2016	Origin	Invasive
	Ribes americanum Mill.	Currant, American Black		X?	N	
	Cornus alternifolia L.f.	Dogwood, Alternate-leaved	X	X	N	
	Cornus florida L.	Dogwood, Flowering	X	X	N	
	Cornus serica L. [stolonifera]	Dogwood, Red-Osier	X		N	
	Cornus drummondii C.A.Meyer	Dogwood, Rough-leaved	X	X	N	
	Cornus amomum Mill.	Dogwood, Silky	X	X	N	
	Sambucus canadensis L.	Elderberry or Common Elder	X	X	N	
	Ulmus rubra Muhl.	Elm, Red (Slippery)	X	X?	N	
	Ulmus americana L.	Elm, White (American)	X	X	N	
	Ribes cynosbati L.	Gooseberry, Prickly	X	X	N	
	Vitis vulpina L.	Grape, Frost	X	X	N	
	Vitis riparia Michx.	Grape, Riverbank	X	X	N	
	Vitis aestivalis Michx.	Grape, Summer	X		N	
	Smilax hispida Muhl.	Greenbrier, Bristly	X	X	N	
	Smilax rotundifolia L.	Greenbrier, Common	X		N	
	Celtis occidentalis L.	Hackberry	U L	X	N	
	Crataegus sp.	Hawthorn, a	X	X	N	
	Crataegus crus-galli L.	Hawthorn, Cockspur	X	X	N	
	Crataegus phaenopyrum (L.f.) Medik	Hawthorn, Washington		X	N	
	Corylus americana Walt.	Hazel, American	X	X	N	
	Carya cordiformis (Wang.) K.Koch	Hickory, Bitternut		X	N	
	Carya ovata (Mill.) K.Koch	Hickory, Shagbark	X	X	N	
	Carya ovalis (Wang) Sarg.	Hickory, Sweet Pignut	X		N	
	Gleditsia triacanthos L.	Honey-locust	X	X	N	
	Lonicera sp.	Honeysuckle, bushy, not Amur	X		A	X
	Lonicera maackii (Rupr.) Maxim.	Honeysuckle, Amur	X	X	A	X
	Lonicera japonica Thunb.	Honeysuckle, Japanese	X	X	A	X
	Lonicera tatarica L.	Honeysuckle, Tartarian		X	A	X
	Ostrya virginiana (Mill.) K.Koch	Hop-Hornbeam	X	X	N	
	Hedera helix L.	Ivy, English		X	A	
	Toxicodendron radicans (L) Ktze.	Ivy, Poison	X	X	N	
	Syringa vulgaris L.	Lilac	pl	pl	A	
	Robinia pseudoacacia L.	Locust, Black	X	X	Z	
	Acer negundo L.	Maple, Ash-leaved(Box-elder)	X	X	N	
	Acer platanoides L.	Maple, Norway	X		A	X

Cod	SciName	Common Name	HFR	HFR 2016	Origin	Invasive
	<i>Acer rubrum</i> L.	Maple, Red	X	X	N	
	<i>Acer saccharinum</i> L.	Maple, Silver		X	N	
	<i>Acer saccharum</i> Marsh	Maple, Sugar	X	X	N	
	<i>Menispermum canadense</i> L.	Moonseed		X	N	
	<i>Morus rubra</i> L.	Mulberry, Red	X	X?	N	
	<i>Morus alba</i> L.	Mulberry, White	X		A	
	<i>Quercus macrocarpa</i> Michx.	Oak, Bur	pl	pl	N	
	<i>Quercus palustris</i> Muenchh.	Oak, Pin	X	X	N	
	<i>Quercus rubra</i> L.	Oak, Red	X	X	N	
	<i>Quercus alba</i> L.	Oak, White		X	N	
	<i>Maclura pomifera</i> (Raf.) Schneider	Osage-orange	X	X	Z	
	<i>Asimina triloba</i> (L.) Dunal.	Pawpaw	X	X	N	
	<i>Pinus nigra</i> Arn.	Pine, Austrian	pl		A	
	<i>Pinus sylvestris</i> L.	Pine, Scotch		pl	E	
	<i>Pinus strobus</i> L.	Pine, White	pl + x	PL + X	Z	
	<i>Ligustrum vulgare</i> L.	Privet, Common	X	X	A	X
	<i>Juniperus virginiana</i> L.	Red-cedar, Eastern	X		N	
	<i>Rosa setigera</i> Michx.	Rose, Climbing Prairie	X	X	N	
	<i>Rosa multiflora</i> Thunb.	Rose, Multiflora	U W	X	A	X
	<i>Sassafras albidum</i> (Nutt.) Nees	Sassafras	X	X	N	
	<i>Amelanchier laevis</i> Wieg.	Serviceberry (Juneberry)	X	R-1	N	
	<i>Lindera benzoin</i> (L.) Blume	Spicebush	X	X	N	
	<i>Euonymus europaeus</i> L.	Spindle-tree, European	X?		A	X
	<i>Picea abies</i> L.	Spruce, Norway	pl	pl	A	
	<i>Rhus glabra</i> L.	Sumac, Smooth	X	X	N	
	<i>Rhus typhina</i> L. [R. hirta]	Sumac, Staghorn	X		N	
	<i>Platanus occidentalis</i> L.	Sycamore	X	X	N	
	<i>Ailanthus altissima</i> (Mill.) Swingle	Tree-of-Heaven	X	X	A	X
	<i>Liriodendron tulipifera</i> L.	Tulip-poplar	X	X	N	
	<i>Viburnum opulus</i> L.	Viburnum, Euro. Cranberry	X	X	A	
	<i>Viburnum lentago</i> L.	Viburnum, Nannyberry	X	X	N	
	<i>Euonymus atropurpureus</i> Jacq.	Wahoo		X	N	
	<i>Euonymus alatus</i> (Thunb.) Sieb.	Wahoo, Winged (burning bush)		X	A	X
	<i>Juglans nigra</i> L.	Walnut, Black	X	X	N	

Cod	SciName	Common Name	HFR	HFR 2016	Origin	Invasive
	Salix exigua Nutt. (S. interior)	Willow, Sandbar	X		N	
		88	73	76		
		358	294	280		

Legend for Plant List

Code	Listed	Origin	Abundance/Distribution	Description of Code
L V				Lower Vascular Plant
P				Herbaceous
T				Woody Plant
	E			Endangered on State List
	P			Potentially Threatened on State List
	T			Threatened on State List
		A		Alien to Area and Country
		N		Native to Area, Indigenous
		Z		Naturalized from other part of country
			** bl	found by J. Blakeman
			** dnr	found by ODNR personnel
			** et	found by Envirotech Consultants
			** JB	found by J. Bissell
			** jm	found by John Mack
			** LT	found by L. Terveen
			A L	Abundant & Local
			A M	Abundant & Moderately Distributed
			A W	Abundant & Widespread
			ark	planted by J. Blakeman in 'ark' prairie
			C L	Common & Local
			C M	Common & Moderately Distributed
			C W	Common & Widespread
			N	Unknown Abundance or Distribution
			o	old record, not found recently
			pl	planted, usually leftover landscaping
			R L	Rare & Local
			R M	Rare and Moderately Distributed
			R W	Rare and Widespread
			re	restoration planting species
			U L	Uncommon & Local
			U M	Uncommon & Moderately Distributed
			U W	Uncommon & Widespread
			X	Present



Other Vertebrates List for Hoffman Forest thru 2011

Tuesday, December 04, 2012

Common Name	HFR	Group
Frog, Green	X	A
Peeper, Spring	X	A
Chub, Creek	X	F
Darter, Johnny	X	F
Trout, Steelhead	X	F
Chipmunk, Eastern	X	M
Deer, White-tail	X	M
Mink	X	M
Mole sp	X	M
Rabbit, Eastern Cottontail	X	M
Raccoon	X	M
Squirrel, Fox	X	M
Squirrel, Red	X	M
Vole sp	X	M
Woodchuck	X	M
Snake, Black	X	R
Turtle, Box	X	R



Birds of Hoffman Forest MetroPark thru 2016

Tuesday, February 07, 2017

Species	HFR
Canada Goose	Flyover
Mute Swan	Flyover
Wood Duck	Summer Resident
Black Duck	Migrant
Mallard Duck	Flyover
Great Blue Heron	Flyover
Green Heron	Summer Resident?
Turkey Vulture	Resident
Bald Eagle	Flyover
Northern Harrier	Flyover
Sharp-shinned Hawk	Winter visitor
Cooper's Hawk	Resident
Red Shouldered Hawk	Resident
Broad-winged Hawk	Spring Migrant
Red-tailed Hawk	Resident
American Kestrel	Visitor
Killdeer	Flyover
Solitary Sandpiper	Spring Migrant
American Woodcock	Summer Resident
Ring-billed Gull	Flyover
Herring Gull	Flyover
Mourning Dove	Resident
Yellow-billed Cuckoo	Summer Resident
Screech Owl	Resident
Great Horned Owl	Resident
Nighthawk	Migrant
Chimney Swift	Summer Resident
Ruby-throated Hummingbird	Summer Resident
Belted Kingfisher	Resident
Red-bellied Woodpecker	Resident
Yellow-bellied Sapsucker	Winter Visitor
Downy Woodpecker	Resident
Hairy Woodpecker	Resident

Species	HFR
Yellow-shafted Flicker	Resident
Pileated Woodpecker	Year-round Resident
Olive-sided Flycatcher	Spring Migrant
Eastern Wood Pewee	Summer Resident
Acadian Flycatcher	Summer Resident
Willow Flycatcher	Summer Resident
Eastern Phoebe	Summer Resident
Great Crested Flycatcher	Summer Resident
Eastern Kingbird	Summer Resident
White-eyed Vireo	Spring Migrant
Yellow Throated Vireo	Spring Migrant
Warbling Vireo	Summer Resident
Red-eyed Vireo	Summer Resident
Blue Jay	Resident
American Crow	Resident
Horned Lark	Flyover
Rough-winged Swallow	Summer Resident
Barn Swallow	Summer Resident
Black-capped Chickadee	Resident
Tufted Titmouse	Resident
Red-breasted Nuthatch	Winter Visitor
White-breasted Nuthatch	Resident
Brown Creeper	Winter Visitor
Carolina Wren	Resident
House Wren	Summer Resident
Winter Wren	Winter Visitor
Golden-crowned Kinglet	Winter Visitor
Ruby Crowned Kinglet	Spring Migrant
Blue-gray Gnatcatcher	Summer Resident
Eastern Bluebird	Resident
Veery	Summer Resident
Gray-cheeked Thrush	Migrant
Swainson's Thrush	Migrant
Hermit Thrush	Migrant
Wood Thrush	Summer Resident

Species	HFR
American Robin	Resident
Gray Catbird	Summer Resident
Brown Thrasher	Summer Resident
Starling	Resident
Cedar waxwing	Summer Resident
Blue-winged Warbler	Summer Resident
Tennessee Warbler	Spring Migrant
Nashville Warbler	Spring Migrant
Yellow Warbler	Summer Resident
Chestnut-sided Warbler	Spring Migrant
Magnolia Warbler	Spring Migrant
Black-throated Blue Warbler	Spring Migrant
Yellow-rumped Warbler	Migrant
Black-throated Green Warbler	Spring Migrant
Palm Warbler	Spring Migrant
Black and White Warbler	Spring Migrant
American Redstart	Summer Resident
Ovenbird	Spring Migrant
Common Yellowthroat	Summer Resident
Wilson's Warbler	Spring Migrant
Scarlet Tanager	Summer Resident
Northern Cardinal	Resident
Rose-breasted Grosbeak	Summer Resident
Indigo Bunting	Summer Resident
Rufous Sided Towhee	Summer Resident
Tree Sparrow	Winter Visitor
Chipping Sparrow	Summer Resident
Field Sparrow	Summer Resident
Song Sparrow	Resident
Lincoln's Sparrow	Spring Migrant
Swamp Sparrow	Migrant
White-throated Sparrow	Winter Visitor
White-crowned Sparrow	Spring Migrant
Dark-eyed Junco	Winter Visitor
Red-winged blackbird	Summer Resident

Species	HFR
Eastern Meadowlark	Summer Resident
Common Grackle	Summer Resident
Brown-headed Cowbird	Summer Resident
Orchard Oriole	Summer Resident
Baltimore Oriole	Summer Resident
House Finch	Resident
American Goldfinch	Resident
House Sparrow	Resident